

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2004/002611

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: H01L29/786, G02F1/1368, G09F9/35, G09G3/18, H01L27/088

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: H01L, G02F, G09F, G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
—

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Epodoc, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 10098190 A (SHARP) 14 April 1998 (14.04.1998) <i>paragraphs 0016, 0019, 0034, 0035, 0045-0047, 0074; figure 3.</i>	1, 3-6
X	JP 01189632 A (CASIO) 28 July 1989 (28.07.1989) <i>abstract, figures 1, 2.</i>	1, 3-5
X	JP 01094670 A (FUJITSU) 13 April 1989 (13.04.1989) <i>abstract, figures 1, 2, 4.</i>	1, 3, 4

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
21 December 2004 (21.12.2004)

Date of mailing of the international search report
7 January 2005 (07.01.2005)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20010030323 A1 (SONY) 18 October 2001 (18.10.2001) <i>paragraphs 0004, 0012, 0028, 0032-0034, figures 1, 3, 4.</i>	1, 3-5
Y	<i>paragraphs 0004, 0012, 0028, 0032-0034, figures 1, 3, 4.</i>	9, 11-13, 16, 17, 19-21
Y	JP 2000147574 A (SEMICONDUCTOR ENERGY) 26 May 2000 (26.05.2000) <i>paragraphs 0030-0032, figure 1.</i>	9, 11-13, 16, 17, 19-21

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PCT/KR 2004/002611

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP A 94670A2		none	
JP A 1189632A 2		none	
JP A 10098190 A2		none	
JP A 20001475 74A2		none	
US A 20010030 323		none	